

**ABSTRACT OF THE DISCLOSURE****AUTOMATED DISK DRIVE LIBRARY WITH REMOVABLE MEDIA**

5           An automated disk drive library has a rack with drawers that are  
interconnected with a host computer. A drive carrier having a disk drive is mounted  
in each drawer. The drive carrier has a front bezel that senses whether the disk drive  
is latched within the drawer and communicates with the computer. The front bezel  
also has an optical sensor that may be coupled to an optical probe as an auxiliary data  
10       interface with computer. The main data interface for the disk drive is provided by a  
self-healing optical coupler at the back of the carrier and drawer. Power to the disk  
drive is supplied via a magnetic coupling with split core transformers on the drive  
carrier and drawer. The disk drive and carrier may be manually or automatically  
15       installed into and removed from drawer via a drive mechanism in the drawer.

FOI b7D b7C b7E b7F b7G b7H b7I b7J b7K b7L b7M b7N b7O b7P b7Q b7R b7S b7T b7U b7V b7W b7X b7Y b7Z